

What is Claimed is:

- 1 1. A method for estimating noise in an integrated circuit
- 2 substrate, comprising the steps of:
- 3 creating a model file for a technology process for fabricating the
- 4 integrated circuit;
- 5 estimating noise generated by a digital circuit and input/output
- 6 circuitry to be implemented in the integrated circuit;
- 7 generating a substrate netlist for the integrated circuit;
- 8 determining a floorplan for the integrated circuit;
- 9 running transient simulations with predetermined input values;
- 10 determining if predetermined noise requirements are met in
- 11 results of the transient simulations.